

SWBAT: measure wave speed and other wave parts

Jan 4-7:20 AM

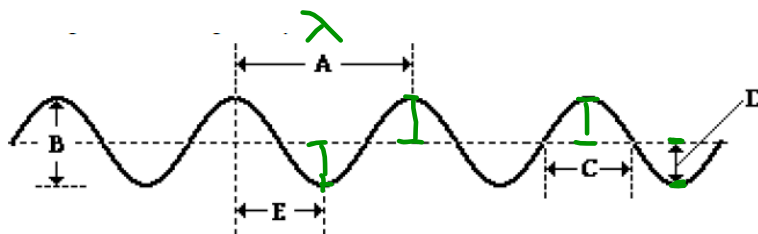
Welcome!!!

SECA Physics
Tuesday 15 April 2014

* Pick up:

- blue concept sheet
- log in to computer
- packet

H. Leslie Grebe



Opening Questions:

How might people make mistakes when measuring amplitude?



Amplitude is D!

Centering

Sep 7-7:04 AM

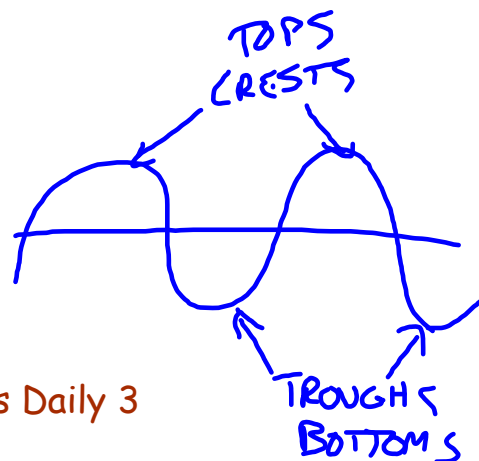
Concept Sheet

~ 7 rows when we're done...

We'll fill in two terms (rows) today.

Concept	Meaning	Sym- bol	Units	Picture
FREQUENCY	HOW MANY PER UNIT OF TIME $\text{FREQ} = \frac{\#}{\text{TIME}}$	f $f = \frac{1}{T}$	hertz $\text{Hz} = \frac{1}{\text{sec}}$	
PERIOD	HOW MUCH TIME FOR ONE. $\text{PERIOD} = \frac{\text{TIME}}{\#}$	T $T = \frac{1}{f}$	seconds sec.	
TRANSVERSE	WHEN THE MEDIUM VIBRATES ACROSS THE DIRECTION THE WAVE TRAVELS.			
LONGITUDINAL	WHEN THE MEDIUM VIBRATES ALONG THE DIRECTION THE WAVE TRAVELS.			
AMPLITUDE	HOW FAR FROM THE MIDDLE.	A	meters m	
WAVELENGTH	HOW FAR FOR ONE "BACK & FORTH"	λ	meters m	
WAVESPEED	$\frac{\text{DISTANCE OF A WAVE}}{\text{TIME OF A WAVE}}$	v	meters seconds m/s	

Feb 18-6:50 AM

HORIZONTAL
VERTICAL


Computer Lab:

Will pick 3 questions off packet as Daily 3
- prizes tomorrow

If you finish:
extra credit for making a "Standing Wave"

CP: Can start on homework sheet

Apr 12-7:13 AM

Daily 3 Questions

CP: Wave worksheet due Thur.

- * Every day except test/project days
- * 3 Questions on the topics of the day
- * Main source of daily points
- * I am happy to give credit when I have no concerns about someone giving or getting help with the answers.

You can't get your points if you don't have your **NAME!!!**

Name	Period
1.	
2.	
3.	

Sep 9-7:32 AM